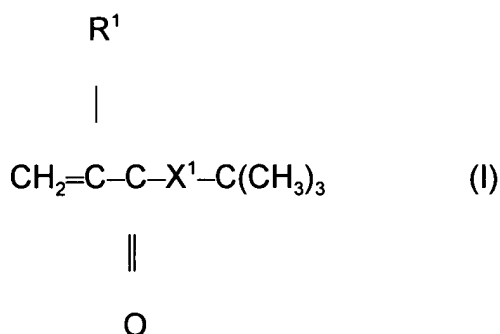


IN THE CLAIMS

1. (amended) A cosmetic hair treatment composition comprising at least one water-soluble or water-dispersible polymer and a cosmetic auxiliary, which wherein the polymer comprises, in copolymerized form,

- a) from 45 to 85% by weight of at least one α,β -ethylenically unsaturated monomer of the formula I

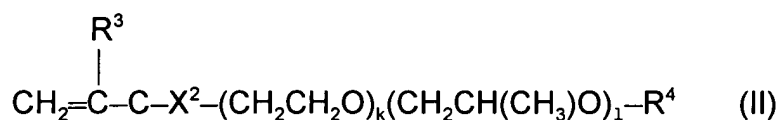


in which

R^1 is hydrogen or $\text{C}_1\text{-C}_8$ -alkyl, and

X^1 is O or NR^2 , where R^2 is hydrogen, $\text{C}_1\text{-C}_8$ -alkyl or $\text{C}_5\text{-C}_8$ -cycloalkyl,

- b) from 10 to 30% by weight of at least one α,β -ethylenically unsaturated mono- and/or dicarboxylic acid,
- c) from 1 to 20% by weight of at least one compound having at least one α,β -ethylenically unsaturated double bond and at least 5 alkylene oxide units per molecule, chosen from polyether acrylates of the formula II





in which the order of the alkylene oxide units is arbitrary,

k and l independently of one another are an integer from 0 to 50, the sum

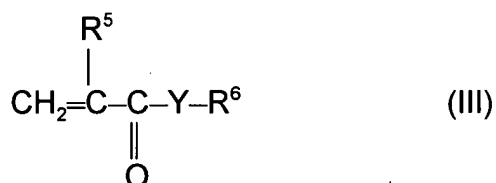
k + l being at least 5,

R³ is hydrogen or C₁-C₈-alkyl, and

R⁴ is hydrogen or C₁-C₆-alkyl,

X² is O or NR², where R² is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

- d) from 1 to 30% by weight of at least one compound having at least one α,β-ethylenically unsaturated double bond and at least one straight-chain or branched C₈-C₃₀-alkyl or -alkylene radical per molecule, chosen from compounds of the formula III



in which

R⁵ is hydrogen or C₁-C₈-alkyl,

R⁶ is a straight-chain or branched C₈-C₃₀-alkyl radical, and

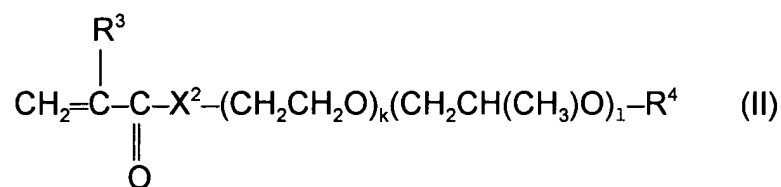
Y is O or NR⁷, where R⁷ is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

where the components c) and/or d) can be partially or completely replaced by a component e), where

- e) is at least one compound having at least one α,β-ethylenically unsaturated

double bond, at least 5 alkylene oxide units and at least one straight-chain or branched C₈-C₃₀-alkyl or -alkylene radical per molecule, where component e) is chosen from

e1) polyether acrylates of the formula II



in which the order of the alkylene oxide units is arbitrary,

k and l independently of one another are an integer from 0 to 50, the sum

k + l being at least 5,

R³ is hydrogen or C₁-C₈-alkyl, and

R⁴ is C₈-C₃₀-alkyl,

X² is O or NR², where R² is hydrogen, C₁-C₈-alkyl or C₅-C₈-cycloalkyl,

e2) urethane (meth)acrylates containing alkylene oxide groups and mixtures thereof

or the salts thereof.

Claims 2 - 5 (canceled).

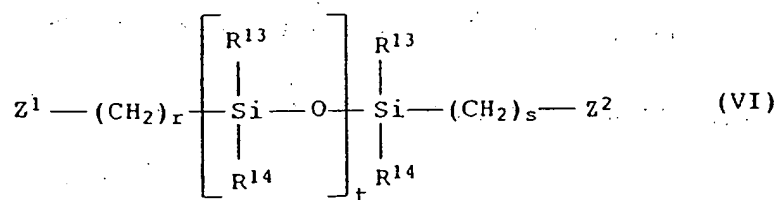
6. (previously presented) A composition as claimed in claim 5, where component e)2 additionally comprises, in incorporated form, at least one component chosen from

n) compounds having a molecular weight in the range from 56 to 300 which

contain

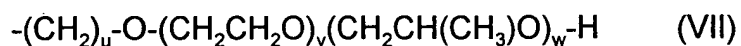
two active hydrogen atoms per molecule,

- o) polytetrahydrofurans having two active hydrogen atoms per molecule,
- p) polysiloxanes of the formula VI



in which

R^{13} and R^{14} independently of one another are C_1 - C_4 -alkyl, benzyl, phenyl or a radical of the formula VII



where

in the formula VII the order of the alkylene oxide units is arbitrary,

u is an integer from 1 to 8,

v and w independently of one another are an integer from 0 to 200, the sum $v + w$ being > 0 ,

Z^1 and Z^2 independently of one another are OH, NHR^{15} or a radical of the formula VII,

where R^{15} is hydrogen, C_1 - C_6 -alkyl or C_5 - C_8 -cycloalkyl,

r and s independently of one another are from 2 to 8,

t is from 3 to 50,

and mixtures thereof.

8. (previously presented) A composition as claimed in claim 1 in the form of a hair-treatment composition.
9. (previously presented) A composition as claimed in claim 1, comprising
 - a) from 0.5% to 20% by weight of a water-soluble or -dispersible polymer as defined in claim 1,
 - b) from 30 to 99.5% by weight, of at least one solvent chosen from water, water-miscible solvent and mixtures thereof,
 - c) from 0 to 70% by weight of a propellant
 - d) from 0 to 10% by weight of at least one water-soluble or -dispersible hair polymer which is different from a),
 - e) from 0 to 0.3% by weight of at least one water-insoluble silicone,
 - f) from 0 to 1% by weight of at least one nonionic, siloxane-containing, water-soluble or -dispersible polymer.
10. (original) Coating composition or binder for solid medicament forms or coating composition for the textile, paper, printing, leather and adhesive industries, comprising a polymer as defined in claim 1.
11. (previously presented) A composition as claimed in claim 9, wherein component b) is from 40 to 99% by weight.
12. (previously presented) A composition as claimed in claim 1, in the form of a hair spray.

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13. (new) The composition as claimed in claim 1, wherein the cosmetic auxiliaries are softening agents, emollients, perfumes, ultraviolet absorbers, dyes, antistatics, agents for improving combability, preservatives and antifoams.